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CLAIM AMENDMENTS

A listing of an entire set of claims 1-12 is submitted herewith per 37 CFR §1.121. This listing of claims 1-12 will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A low-pressure gas-discharge lamp equipped with a gas-tight discharge vessel that contains a gas filling, with electrodes for maintaining a gas discharge in the discharge vessel, at least one of which electrodes is arranged inside the discharge vessel and comprises a coil having a core made from a first refractory metallic material that has a first electronegativity, having a surrounding winding made from a second refractory metallic material that has a second electronegativity, having a coating of an electron-emitting material arranged between the core and the winding, and having current feeds, and with means for igniting and maintaining a gas discharge,

wherein the coil has a first end region connected to a first current feed, a second end region connected to a second current feed and a central region between the first end region and the second end region, and

wherein the coating of the of the electron-emitting material is arranged between the core and the winding exclusively within the central region of the coil.

2. (Currently Amended) A low-pressure gas-discharge lamp as claimed in claim 1, characterized in that the [[core is composed of a first refractory material having a higher]] first electronegativity is higher than [[and the surrounding winding is composed of a second refractory material having a lower]] the second electronegativity.

3. (Currently Amended) A low-pressure gas-discharge lamp as claimed in claim [[1]] 2, characterized in that [[core is composed of a]] the first refractory material [[having a higher electronegativity that]] is selected from [[the]] a group comprising tungsten and the alloys of tungsten alloyed with zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides, and the [[surrounding winding is composed of a]] second refractory material

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[[having a lower electronegativity that]] is selected from [[the]] a group comprising of zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides.

4. (Currently Amended) A low-pressure gas-discharge lamp as claimed in claim 1, characterized in that the [[core is composed of a first refractory material having a lower]] first electronegativity is lower than [[and the surrounding winding is composed of a second refractory material having a higher]] the second electronegativity.

5. (Currently Amended) A low-pressure gas-discharge lamp as claimed in claim [[1]] 4, characterized in that [[core is composed of a]] the first refractory material [[having a lower electronegativity that]] is selected from [[the]] a group comprising tungsten and the alloys of tungsten alloyed with zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides, and the [[surrounding winding is composed of a]] second refractory material [[having a higher electronegativity that]] is selected from [[the]] a group comprising of rhenium, cobalt, nickel, ruthenium, palladium, rhodium, iridium, osmium and platinum.

6. (Currently Amended) A low-pressure gas-discharge lamp as claimed in claim 1, characterized in that the coating of [[an]] the electron-emitting material contains a polymeric multiple barium tungstate.

7. (Currently Amended) An electrode, comprising a coil having a core made from a first refractory metallic material that has a first electronegativity, having a surrounding winding made from a second refractory metallic material that has a second electronegativity, having a coating of an electron-emitting material arranged between the core and the winding, and having current feeds,

wherein the coil has a first end region connected to a first current feed, a second end region connected to a second current feed and a central region between the first end region and the second end region, and

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wherein the coating of the of the electron-emitting material is arranged between the core and the winding exclusively within the central region of the coil.

8. (New) An electrode as claimed in claim 7, characterized in that the first electronegativity is higher than the second electronegativity.
9. (New) An electrode as claimed in claim 8, characterized in that the first refractory material is selected from a group comprising tungsten and the alloys of tungsten alloyed with zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides, and the second refractory material is selected from a group comprising of zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides.
10. (New) An electrode as claimed in claim 7, characterized in that the first electronegativity is lower than the second electronegativity.
11. (New) An electrode as claimed in claim 10, characterized in that the first refractory material is selected from a group comprising tungsten and the alloys of tungsten alloyed with zirconium, hafnium, titanium, yttrium, scandium, lanthanum or the lanthanides, and the [[second refractory material is selected from a group comprising of rhenium, cobalt, nickel, ruthenium, palladium, rhodium, iridium, osmium and platinum.
12. (New) An electrode as claimed in claim 7, characterized in that the coating of the electron-emitting material contains a polymeric multiple barium tungstate.